

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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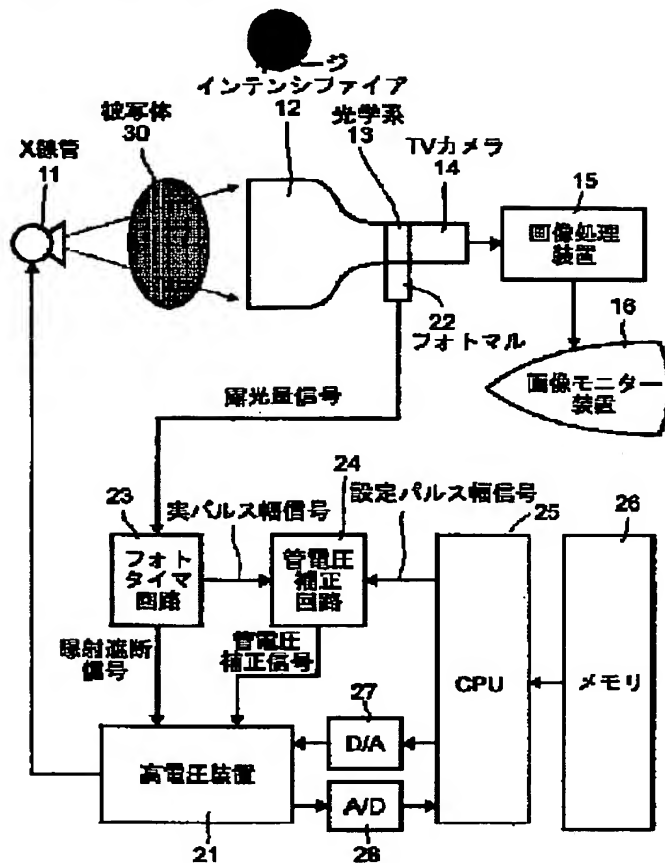
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APPLICANT : SHIMADZU CORP;

INVENTOR : MORI TATSUHIRO;

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TITLE : X-RAY PHOTOGRAPHING DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent the quality deterioration of an image when X-rays are exposed in pulses to photograph the X-ray image via automatic exposure control.

**SOLUTION:** A luminous exposure signal corresponding to the output of an image intensifier 12 is obtained by a photomultiplier 22, it is integrated by a photo-timer circuit 23, and an exposure cutoff signal is generated when the integrated value reaches a prescribed value. A tube voltage correction signal corresponding to the difference between the actual pulse width and the set pulse width at this time is applied to a high-voltage device 21 from a tube voltage correcting circuit 24 to correct the tube voltage. The measured tube voltage is read by a CPU 25 through an A/D-converter 28, and whether it is within the desired range read from a memory 26 is judged. If it is outside the range, the set pulse width is changed and fed to the tube voltage correcting circuit 24.

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